

- ☐ Participating Community
- ☐ GPS Technology
- ☐ Deep Seafloor Mining
- ☐ Seafloor
- ☐ Regulatory Framework
- ☐ Coastal V Zone

Reviewer Email

This application is for all Federal Emergency Management Agency (FEMA Region IV) Hazard Mitigation Grant Program (HMGP) proposals. Please complete ALL sections and provide the documents requested. If you require technical assistance with this application, please contact your State Emergency Management Mitigation Division at (205) 280-2200.

**A. To Fill Out This Application:** complete all sections of the main application, if the project involves acquisition, elevation or engineered drainage projects fill out the following supplemental worksheets:

- **Acquisition Worksheet:** Acquisition Projects only -- one per structure
- **Elevation Worksheet:** Elevation Projects only -- one per structure
- **Drainage Worksheet:** Drainage Projects only

**B. Applicant Information**

**1. Applicant (Organization) Town of Coaling**

☒ **State or Local Government**      ☐ **Recognized Indian Tribe**      ☐ **Private Non-Profit**

**2. County / Counties** **Tuscaloosa County**

**3. State Legislative district(s)** **21**      **Congressional District(s)** **7**

**4. Tax I.D. Number** **63-1190887**      **FIPS Code (if known)** **01125**      **Duns Number**  
**125-16000**

**5. Point of Contact**

**Mr.**      **First Name** **Stan**      **Last Name** **Odom**

**Title** **Town Councilman**

**Street Address** **P.O. Box 743**

**City** **Coaling**      **State** **AL**      **Zip Code** **35449**

**Telephone** **(205) 507-0200** or **(205) 553-1805**      **Fax** **(205) 507-0366**

**Email Address (if available)** **Eodom1@bellsouth.net**

**7. Application Prepared by: Mrs.**      **First Name** **Kathy**      **Last Name** **Banks**

**Title: Planner**      **Telephone** **(205) 333-2990**      **Fax** **(205) 333-2713**

**8. Authorized Applicant Agent**

**Mr.**      **First Name** **Stan**      **Last Name** **Odom**

**Title: Councilman, Town of Coaling**

**Telephone** **(205) 507-0200**      **Fax** **(205) 207-0366**

**Street Address** **P.O. Box 10**

**City** **Coaling**      **State** **AL**      **Zip Code** **35449**

**Email Address (if available)** **Eodom1@bellsouth.net**

**Date**

**Signature**



**NOTE: If your project is approved, work must begin within 90 days of the obligation of funds**

**Attach any continuations or additional items to this page**

Coaling-05.DOC

# I. History of Hazards / Damages in the Area to be Protected\*

*In this section describe all past damages from hazardous events (include name of storms if applicable) in the project area. Include presidentially declared disasters as well as events that did not result in a Presidential declaration. Do not list countywide or community-wide damages. Damages described must be site specific.*

## A. Overview of Past Damages

Provide a detailed past history of damages in the project area, including direct and indirect costs. Include information for as many past incidents as possible. Attach any supporting documents, i.e. proofs of loss, PW's, force account logs. Direct costs should include damages to structures and infrastructure in the project area as a result of the hazard. Indirect costs should include the cost to the local government to respond to victims of the hazard in the project area, any interruption to local businesses, and losses of public services.

**\* For Acquisitions and Elevations, provide an overview in this section and specific damages to each property in the Individual Property Worksheets.**

Date	Level of Event	Damages	Indirect costs (describe)
[e.g. 10/7/89]	50 year flood	Total of \$195,000 in damages to 16 homes in project area	Emergency Services Evacuation of 58 people.]
e.g. 8/18/92	100 year flood	Total of \$1,895,000 in damages to 23 homes in project area	Emergency Services Evacuation of 108 people.]

There are no site specific damages recorded for the three proposed sites. The following table of historical data were taken from the FEMA adopted Hazard Mitigation Plan as instructed by Alabama EMA.

Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
1 TUSCALOOSA	02/13/1952	Tornado	F3	1	14	25K	0
2 TUSCALOOSA	11/18/1957	Tornado	F1	0	1	25K	0
3 TUSCALOOSA	02/22/1961	Tornado	F2	0	0	250K	0
4 TUSCALOOSA	03/03/1966	Tornado	F5	1	3	250K	0
5 TUSCALOOSA	03/29/1974	Tornado	F0	0	0	0K	0
6 TUSCALOOSA	04/01/1974	Tornado	F2	0	6	250K	0
7 TUSCALOOSA	04/03/1974	Tornado	F4	0	6	25.0M	0
8 TUSCALOOSA	01/10/1975	Tornado	F1	0	0	25K	0
9 TUSCALOOSA	02/23/1975	Tornado	F4	1	49	25.0M	0

Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
10 <u>TUSCALOOSA</u>	03/13/1975	Tornado	F0	0	0	0K	0
11 <u>TUSCALOOSA</u>	03/18/1975	Tornado	F1	0	0	25K	0
12 <u>TUSCALOOSA</u>	09/06/1977	Tornado	F2	0	0	25K	0
13 <u>TUSCALOOSA</u>	09/06/1977	Tornado	F1	0	0	25K	0
14 <u>TUSCALOOSA</u>	12/08/1978	Tornado	F1	0	0	25K	0
15 <u>TUSCALOOSA</u>	12/08/1978	Tornado	F0	0	0	0K	0
16 <u>TUSCALOOSA</u>	11/15/1983	Tornado	F2	0	0	25K	0
17 <u>TUSCALOOSA</u>	12/03/1983	Tornado	F1	0	0	3K	0
18 <u>TUSCALOOSA</u>	12/11/1983	Tornado	F1	0	0	25K	0
19 <u>TUSCALOOSA</u>	11/10/1984	Tornado	F2	0	0	250K	0
20 <u>TUSCALOOSA</u>	11/20/1988	Tornado	F3	0	8	2.5M	0
21 <u>TUSCALOOSA</u>	02/03/1990	Tornado	F0	0	0	25K	0
22 <u>TUSCALOOSA</u>	02/03/1990	Tornado	F1	0	3	2.5M	0
23 <u>TUSCALOOSA</u>	05/03/1993	Tornado	F2	0	3	0	0
24 <u>Tuscaloosa</u>	03/27/1994	Tornado	F1	0	0	5K	50K
25 <u>Samantha</u>	03/07/1995	Tornado	F0	0	0	56K	0
26 <u>Tuscaloosa</u>	07/04/1995	Tornado	F0	0	0	0	0
27 <u>Tuscaloosa</u>	01/24/1997	Tornado	F2	1	10	5.0M	5K
28 <u>Coker</u>	01/28/1997	Tornado	F2	0	1	85K	2K
29 <u>Holman</u>	04/08/1998	Tornado	F3	0	1	800K	0K
30 <u>Brookwood</u>	04/08/1998	Tornado	F5	0	1	30K	600K
31 <u>Holman</u>	05/09/1998	Tornado	F0	0	0	15K	5K

Attach any continuations or additional items to this page

Coaling-05.doc

Location	Date	Type	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
32 <u>Fosters</u>	03/10/2000	Tornado	F0	0	0	50K	0K
33 <u>Northport</u>	03/10/2000	Tornado	F0	0	0	15K	0K
34 <u>Kellerman</u>	04/03/2000	Tornado	F2	0	0	15K	0K
35 <u>Hull</u>	12/16/2000	Tornado	F4	11	144	12.5M	0K
36 <u>Samantha</u>	11/24/2001	Tornado	F1	0	0	25K	0K
37 <u>Abernant</u>	11/24/2001	Tornado	F0	0	0	1K	0K
38 <u>Abernant</u>	11/10/2002	Tornado	F2	0	3	300K	0K
39 <u>Tuscaloosa</u>	11/18/2003	Tornado	F1	0	2	100K	0K
TOTAL				15	255	75.250M	662K

## Project Description

### A. Project Description / Protection Provided

Describe, in detail, the proposed project. Also, explain how the proposed project will solve the problem(s) and provide the level(s) of protection described in Section B. If any other projects are underway or proposed in the project area, please describe. Also describe any planned, future development in the project area. Please include building code requirements for new development and substantial improvements in the community.

The project consists of building a 320ft<sup>2</sup> community storm shelter. There are no community shelters in the Town of Coaling at this time. The shelter will be constructed on the property of the Coaling Volunteer Fire Department on U.S. Highway 11, easily accessible to everyone. The structure will be partially underground constructed on steel and finished with epoxy. The shelter design is a FEMA approved design with a 50-year life. Tuscaloosa County is located in Wind Zone IV, which means that winds can be in excess of 250mph. The shelter will be built according to FEMA Publication 361. The building will be hardened to sustain winds in excess of 250mph. The shelter will be constructed to hold a maximum of 64 people. There is a high probability that a tornado will occur in Tuscaloosa County in any given year. Tuscaloosa County typically has at least one tornadic event per year. In the last 30 years there have been 39 tornadoes in Tuscaloosa County resulting in 13 deaths and 241 injuries. Tuscaloosa has a greater than 100 percent chance of a tornado occurring in any given year. The proposed community shelter will help prevent future deaths and injuries. The Town of Coaling identified the need for a community shelter as their highest priority in the *Tuscaloosa County Hazard Mitigation Plan*.

The Coaling Volunteer Fire District has put together a plan of operation for the proposed shelter following *FEMA 361 guidelines, Section 9 Emergency Management Considerations*. (See Appendix for guidelines and a listing of shelter members for the proposed site.).

### B. Hazards to be Mitigated / Level of Protection

1. Select the type of hazards the proposed project will mitigate:

☐ Flood ☒ Wind ☐ Seismic ☐ Other (list) \_\_\_\_\_

2. Fill in the level of protection the proposed project will provide (e.g. 23 structures protected against the 100-year (1%) flood. List data in Flood Levels (10,25, 50, 100...) mph winds or Mercalli Scale Earthquake (1-12) **Not applicable to project**

N/A structures protected against the N/A

N/A structures protected against the N/A

N/A structures protected against the N/A

N/A structures protected against the N/A

**3. Engineered Projects Only** (e.g. Drainage Improvements)

Include (attach to this page) **ALL** engineering calculations used to determine the above level of protection.

The following documents are attached:

**N/A**

**4. Useful life of the project**

Proposed project will provide protection against the hazard(s) above for **50** years.

### III. Project Location

Fully describe the location of the proposed project.

#### A. Site

##### 1. Physical Location

Describe the area and/or population affected/protected by this project; include the location (street numbers or neighborhoods, city, county, zip codes, latitude/longitude).

The Town of Coaling located (33.159°N, -87.341°W) in Tuscaloosa County will primarily be protected by this project. Coaling has a population of 1,115 people as reported by the 2000 Census. The building will serve as a community shelter (capacity 64 people) during inclement weather. The shelter will be accessible for anyone in the County or surrounding areas that wish to use it, no person will be turned away. The shelter will be located on the campus of the Coaling Volunteer Fire Department located at 15150 U.S. Highway 11 N, Cottondale, AL 35453. The Town of Coaling usually experiences 2-4 tornadic events each year. Many mobile homes are located in this area; none of the residents have access to a tornado shelter. The proposed shelter will be the only community accessible shelter in the Town. The shelter will serve Coaling and surrounding communities in east Tuscaloosa County such as, Brookwood, Vance, and Cottondale during inclement weather.

##### 2. Population Affected

Provide the number of each type of structure (listed below) in the project area. Include all structures in project area. **Not applicable to project.**

N/A residential properties

N/A businesses / commercial properties

N/A public buildings

N/A schools / hospitals / houses of worship

#### B. Legible Copy of Flood Insurance Rate Map (FIRM) showing Project Site

**X** Attach a copy of the panel(s) from the FIRM, and, if available, the Floodway Map, (along With the appropriate flood profile and discharge tables from the community FIS) with the project site and structures marked on the map (FIRMs are typically available from your local floodplain administrator who may be located in the planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at 1-800-358-9616. For more information about FIRMs, contact your local agencies or visit the FIRM site on the FEMA Webpage at

**<http://www.fema.gov/home/MSR/hardcopy.htm>**).



Using the FIRM, determine the flood zone(s) of the project site (Check all zones in the project area).

- ☐ VE or V 1-30
- ☐ AE or A 1-30
- ☐ AO or AH
- ☐ A (no base flood elevation given)
- ☐ B or X (shaded)

☒ **X C or X (unshaded)**

☐ Floodway

☐ Coastal Barrier Resource Act (CBRA) Zone

(Federal regulations strictly limit Federal funding for projects in this Zone; please coordinate with your state agency before submitting an application for a CBRA Zone project)

**N/A** If the **FIRM for your area is not published**, please attach a copy of the Flood Hazard Boundary Map (FHBM) for your area, with the project site and structures marked on the map

### ***Project Location Continued***

#### **C. City or County Map with Project Site and Photographs (All Maps Are Mandatory)**

**X** Attach a copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.

**X** USGS 1:24,000 topo map with project site marked on the map.

**N/A** For **acquisition** or **elevation** projects, include a copy of the Parcel Map (Tax Map, Property Identification Map, etc.) with each property in the project clearly marked on the map. Use SAME ID number as in the property worksheet.

**X** Attach overview photographs (2 copies each) for each project site. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas, which affect the project site or will be affected by the project.

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**TUSCALOOSA COUNTY,**  
**ALABAMA**  
**AND INCORPORATED AREAS**

**PANEL 575 OF 750**

(SEE MAP INDEX FOR PANELS NOT PRINTED)

**CONTAINS**

**COMMUNITY**

TUSCALOOSA COUNTY  
 VANCE TOWN OF

**NUMBER**

010201  
 010428

**PANEL**

0575  
 0575

**SUFFIX**

E  
 E

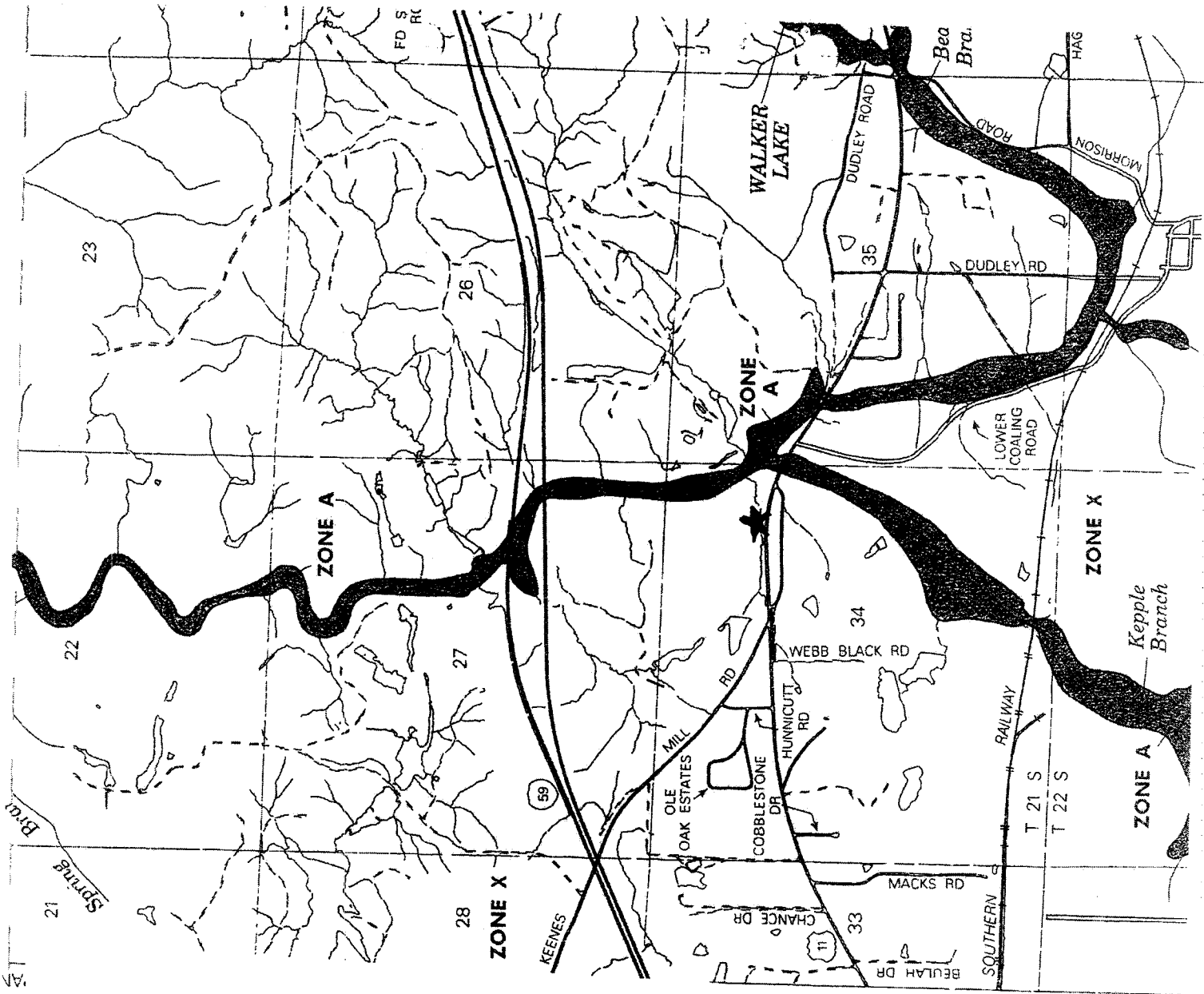
Notice to User The MAP NUMBER shown below should be used when placing map orders. The COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
**01125C0575 E**

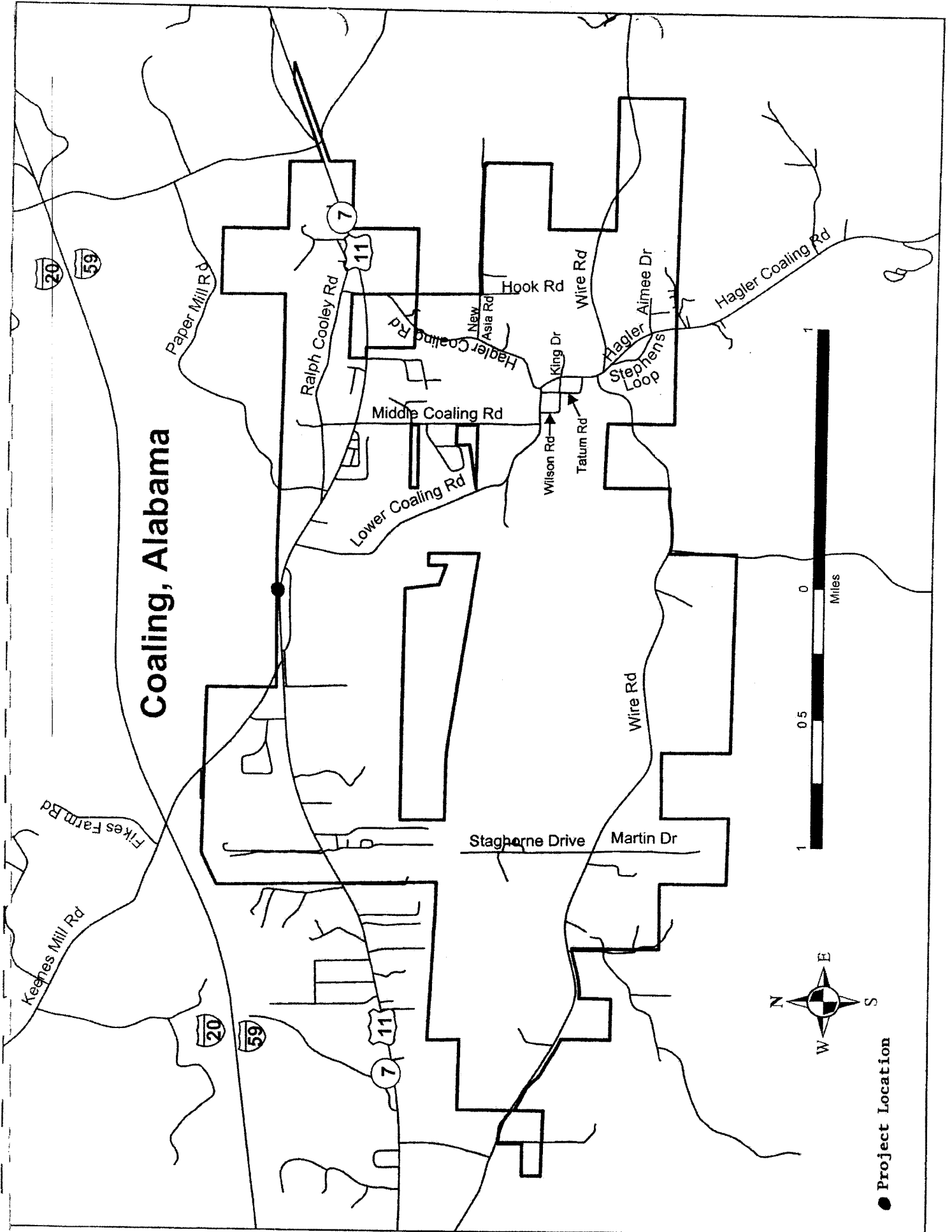
**EFFECTIVE DATE:**  
**SEPTEMBER 7, 2000**



Federal Emergency Management Agency



# Coaling, Alabama





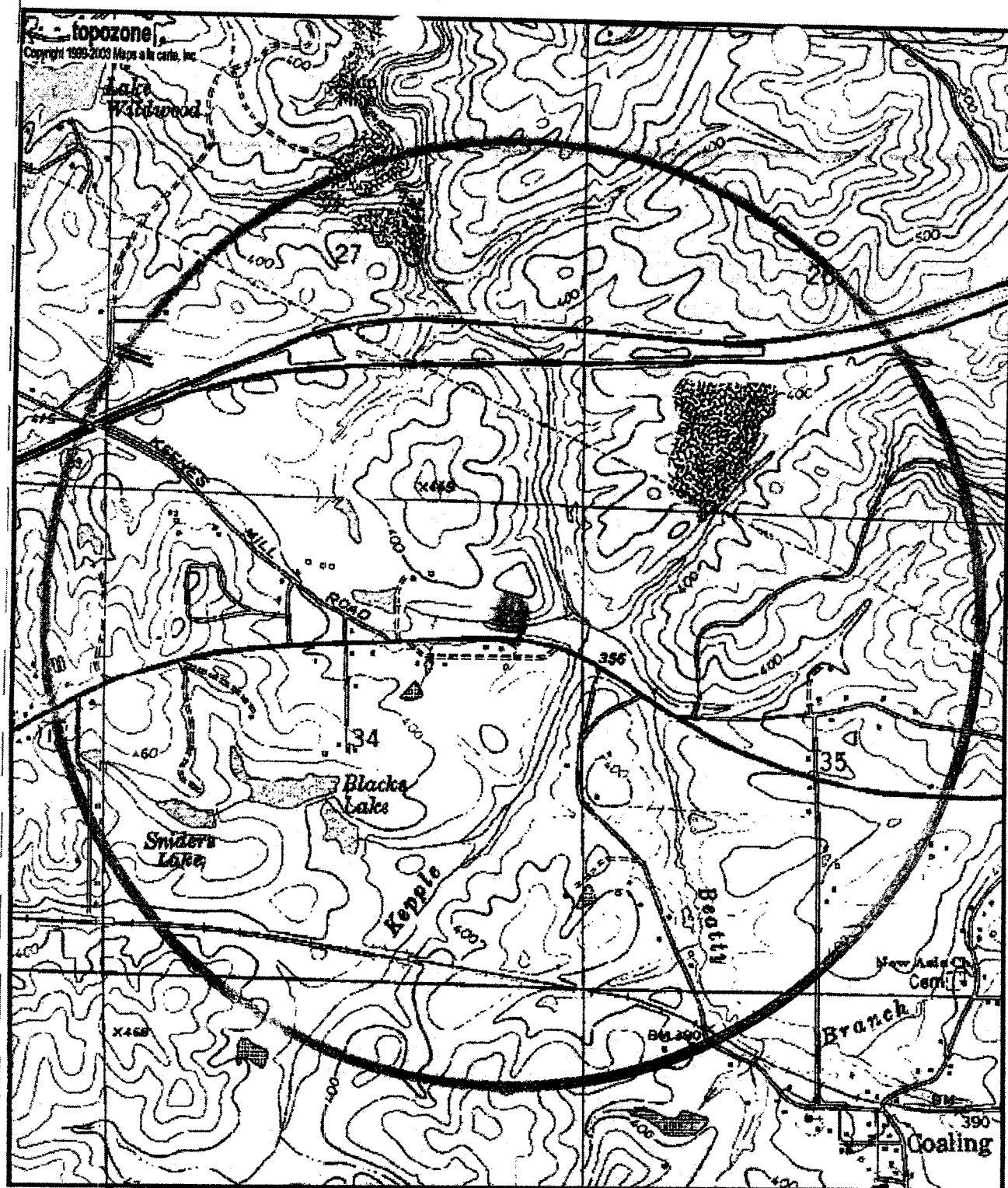
0 0.6 1.2 1.8 2.4 3 km  
0 0.4 0.8 1.2 1.6 2 mi

Map center is UTM 16 466929E 3670813N (WGS84/NAD83)

**Coaling** quadrangle

Projection is UTM Zone 16 NAD83 Datum

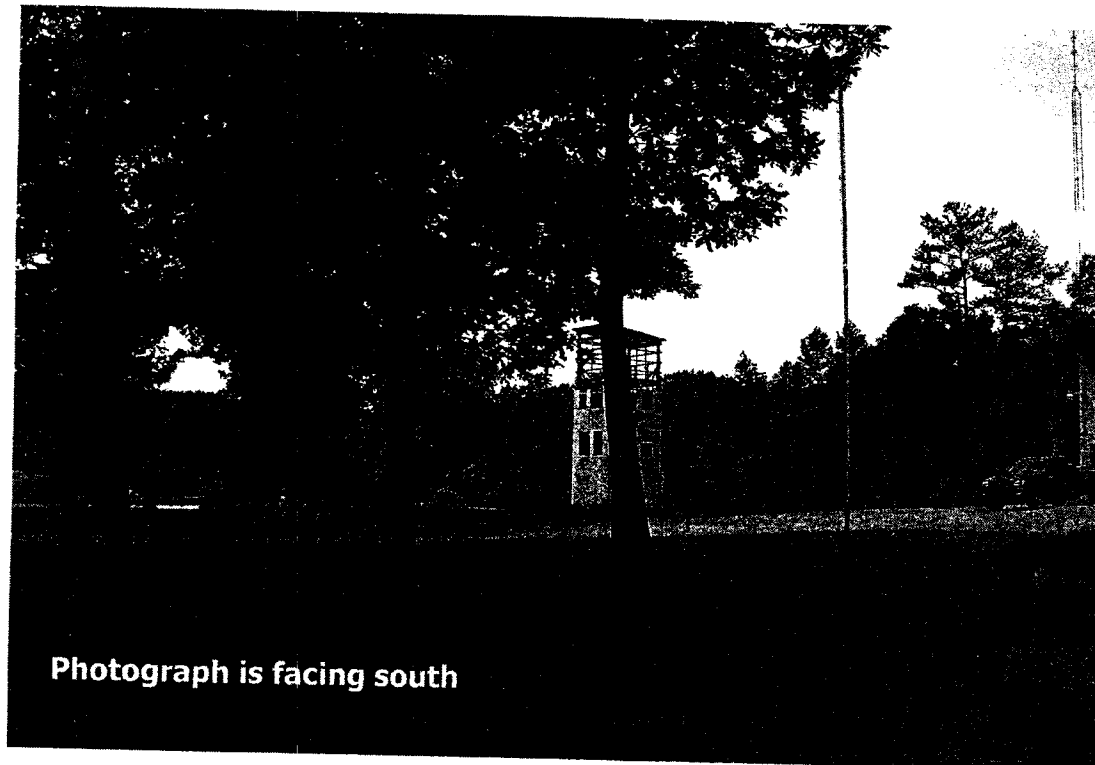
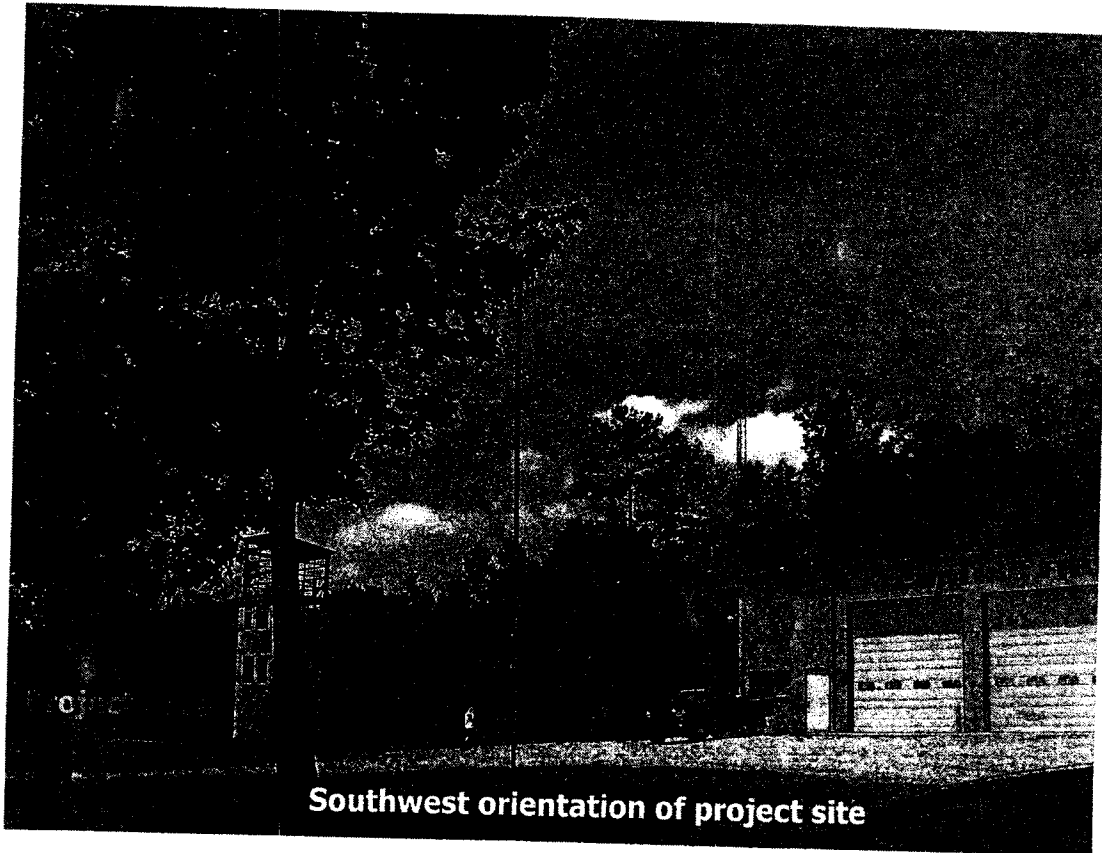
M=-1.784  
G=-0.194

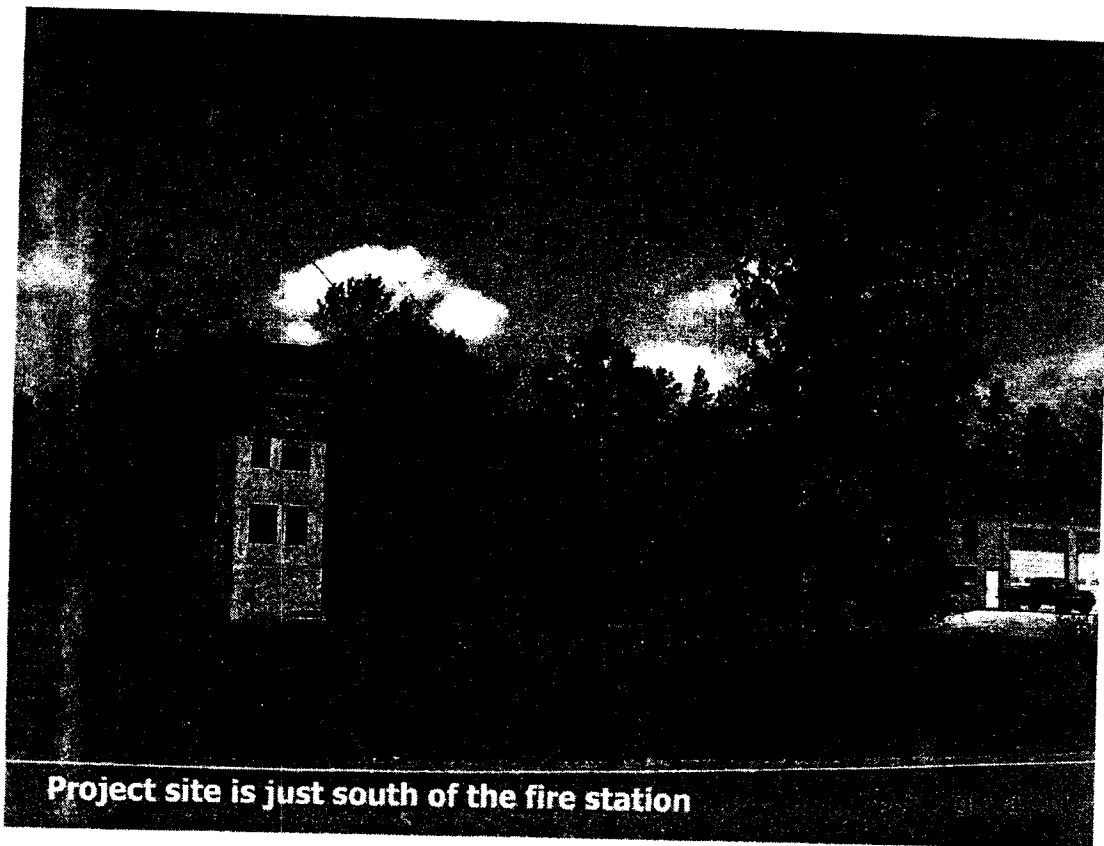


0 0.3 0.6 0.9 1.2 1.5 km  
0 0.2 0.4 0.6 0.8 1 mi

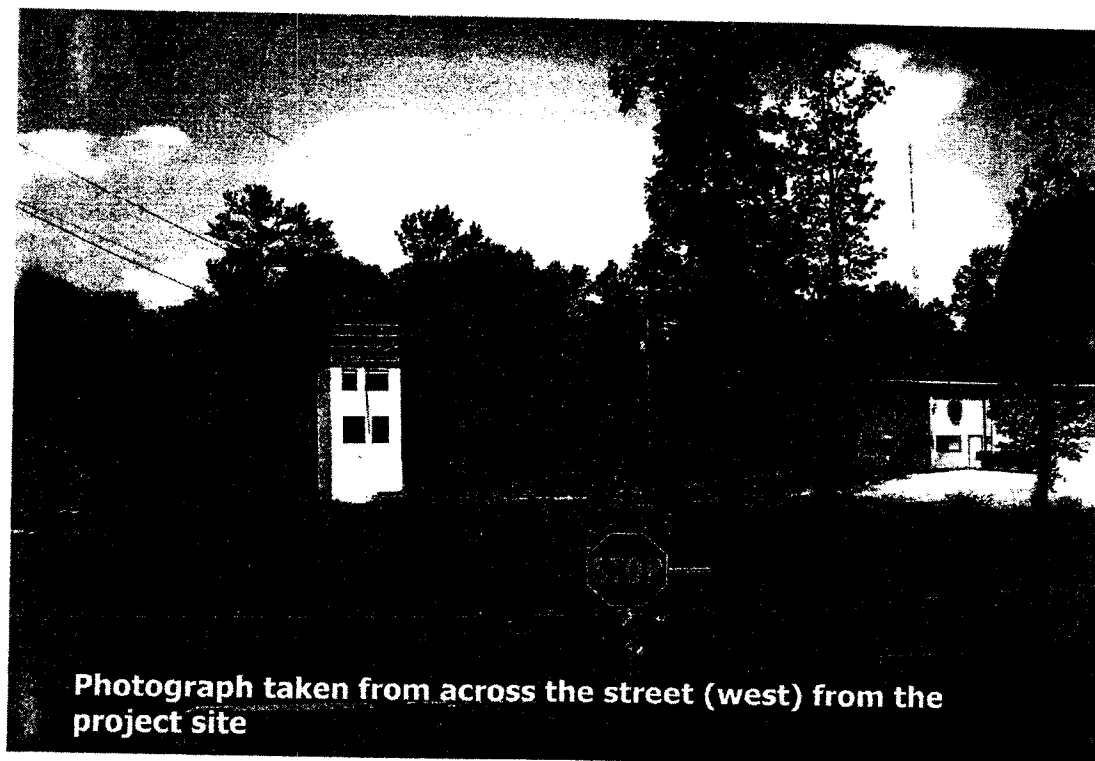
M=-1.784  
G=-0.194

# Coaling Community Shelter





**Project site is just south of the fire station**



**Photograph taken from across the street (west) from the project site**

**IV. Scope of Work / Budget**

In this section, provide the details of all costs of the project. As this information is used for the Benefit-Cost Analysis, reasonable cost estimates are essential. As project administrative costs are calculated on a sliding scale, **do not** include this in the budget. List all items and costs in line item fashion.

**Do not include contingency costs in the budget.**

**A. Materials**

Item	Dimension	Quantity	Cost per Unit	Total Cost
<b>Construction Costs</b> <i>PRE-FAB Jct 9-14-05</i>	<b>10' x 32'</b>	<b>1</b>	<b>\$50,000</b>	<b>\$50,000</b>

**B. Labor** (Include equipment costs -- please indicate all "soft" or in-kind matches)

Description	Hours	Rate	Cost
<b>Site Work</b>			<b>\$12,500</b>

**C. Fees Paid** Include any other costs associated with the project

Description of Task	Hours	Rate	Cost
---------------------	-------	------	------

**Total Estimated Project Cost \$62,500.00**

**D. Funding Sources (round figures to the nearest dollar)** The maximum FEMA share for HMGP projects is 75%. The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds which lose their Federal identity at the State level -- such as CDBG, ARS, HOME) may not be used for the State or Local match.

**Estimated FEMA Share** \$46,875.00 75 % of Total

**Non-Federal Share**

Estimated Local Share \$15,625.00 25 % of Total  
(Include In-Kind Value)

List Funding Sources COALING CITY REVENUES AS PER STAN ODOM CONVERSATION  
Estimated State Share \$N/A N/A % of Total W/EARL ALEXANDER  
List Funding Sources N/A 1 AUG, 2005

**Estimated Other Agency Share**

\$N/A N/A % of Total

Identify Other Non-Federal Agency N/A

**Other Non-FEMA Federal Funds** \$\_\_\_\_\_ **Do Not Include In Total**

Identify Other Federal Agency \_\_\_\_\_